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ADDENDUM: "STORAGE RING CROSS-SECTION MEASUREMENTS FOR ELECTRON IMPACT IONIZATION OF Fe^{12+} FORMING Fe^{13+} AND Fe^{14+}" (2011, ApJ, 735, 105)

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ABSTRACT

Experimental cross-section data are presented as online data tables for electron impact single ionization of Fe^{12+} forming Fe^{13+} and electron impact double ionization of Fe^{12+} forming Fe^{14+}.

Online-only material: machine-readable tables

In Tables 1–2, we present data for electron impact single and double ionization of Fe^{12+} forming Fe^{13+} and Fe^{14+}, respectively. Descriptions of the experimental procedure and data analysis and a discussion of these results can be found in Hahn et al. (2011).

Table 1
Fe^{12+} Single Ionization Cross Section

E (eV)	σ_I (cm^2)	Statistical Error
350	−7.40E-22	6.25E-21
500	2.67E-19	5.06E-21
650	3.47E-19	2.34E-21
800	5.74E-19	2.15E-21
950	6.14E-19	5.68E-21
1100	6.06E-19	6.69E-21
1250	5.60E-19	5.87E-21
1400	5.49E-19	1.14E-20

(This table is available in its entirety in a machine-readable form in the online journal. A portion is shown here for guidance regarding its form and content.)

Table 2
Fe^{12+} Double Ionization Cross Section

E (eV)	σ_I (cm^2)	Statistical Error
695	−1.53E-21	3.66E-20
905	4.56E-21	1.04E-20
1100	1.59E-20	5.83E-21
1310	4.99E-20	2.98E-21
1505	7.15E-20	3.55E-21
1700	8.54E-20	2.82E-21
1910	9.88E-20	4.62E-21

(This table is available in its entirety in a machine-readable form in the online journal. A portion is shown here for guidance regarding its form and content.)

REFERENCE

Hahn, M., Grieser, M., Krantz, C., et al. 2011, ApJ, 735, 105